Product Working Group

1. **What should be the characteristics (and related) of the standard product?**

- WRS-based L1T TOA reflectance optical standard (web-enabled)
    - Ancillary information and tool to allow user-conversion to surface reflectance (we really want SR itself as part of standard product—reprocessing?)
    - Standard grid? Desired but lower priority
    - Ground resolution cell size TBD; address but wait for final sensor characteristics (point spread…)? Need better feel for tradeoffs
    - DEM bundled, but not necessarily what used for terrain correction
    - Best available DEM to be used even if not distributed
    - Metadata key (spatially specific in certain instances), entire lineage including ancillary data
        - Pixel-specific QA
        - Pixel level atmospheric parameters
        - Scene based information, including
            - DEM used (version, source, etc.)
            - Calibration coefficients (monthly file)
            - Etc.
    - Capability for reprocessing as it increases product quality (markers in place—eg, DEM improved)
- Some avenue for user-specified products, including L0R (level 0 from archive? Tool for processing to L1? Needs further consideration); to be revisited (COFUR, back door, data grants?)
- Clouds
    - Placeholder for mask of low clouds and cloud shadow (what happens if no thermal band)
    - Bitmap of ACCA-H? characteristics
    - Pixel scale continuous data available from surface reflectance ancillary information
    - Compositing not yet addressed by group—not part of standard product
- QA information – what should be tracked? Remand to cal/val?
    - Detector-specific information (c/v)
    - Cal/val group input required

    - Particularly important as move to surface reflectance (has to be validated)

- Area selection of data cubes potentially available as non-standard product

2. **User-specified products**

Must be available

3. Timing of product delivery

- What available immediately?
- What later?

4. **Science products beyond standard**

- VIs, LAI, land cover
- Change data
- Enabling tools
- Bundling LDCM and other instrument data

5. Product consistency across the L1→LDCM archive

- Consistent with the standard product for LDCM (reprocessing initially and as needed in future as with MODIS)
    - Critical for enabling in-depth understanding of land surface change over recent past so we understand the changes happening today
    - How do we make this happen?
        - Fill and consolidate archive from US and ICs
            - For ICs
                - Phasing
                - Of benefit to them
        - Web-enabled access